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Art Unit: 2875

04121-URS

REMARKS

In the Office Action, claims 1-7 and 12-15 are rejected under 35 U.S.C. §102(e) as being anticipated by Chen et al., and claims 8-11 are rejected under 35 U.S.C. §103(a) as being unpatentable over Chen et al. and further in view of Stimac et al. and in view of Stackpole.

In response, claim 1 is amended to clearly define the invention in a patentable way to overcome the rejections under 35 U.S.C. §102(e) and 35 U.S.C. §103(a). More specifically, claim 1 now includes the limitation of a control circuit capable of detecting changes of on-and-off flip signals from a switch and the control circuit uses a series of successive on-and-off flip signals from the switch to determine a requested function and control the LED unit accordingly.

As discussed in the specification of the instant invention, the gist of the invention is to provide an LED unit and an electronic control board to control the LED unit. The electronic control board has a control circuit that can detect the changes of a series of flip signals from a switch in order to control the timing, color change, luminance and other lighting mode.

Chen et al. discloses a solid state light source for use in a current lamp socket. Stackpole teaches a solar power lighting system having a timer circuit to provide a means of flashing a light source. Stimac et al. discloses an LED based modular light having a plurality of light emitting diodes, a luminance control circuit and color control circuit. As

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can be seen from the disclosures of the above cited prior arts, none of them ever teaches, suggests or anticipates using a series of on-and-off flip signals from a switch to determine a requested function and control the LED unit accordingly.

From the foregoing discussion, it is clear that the instant invention differs from the cited prior arts. The physical difference results in different effects and is not obvious. The amended independent claim 1 has overcome the rejections under 35 U.S.C. §102(e) as well as 35 U.S.C. §103(a) and should be patentable. By virtue of dependency, claims 2-15 should also be patentable. The specification has been amended to correct a few editorial and grammatical errors. Prompt and favorable reconsideration of the application is respectfully solicited.

Respectfully submitted,



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